

# TOP2A (Phospho Ser1213) rabbit pAb

Cat No.:ES20165

For research use only

## Overview

Product Name	TOP2A (Phospho Ser1213) rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human TOP2A (Phospho Ser1213)
Specificity	This antibody detects endogenous levels of Human TOP2A (Phospho Ser1213)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C . Avoid repeated freeze-thaw cycles.
Protein Name	TOP2A (Phospho Ser1213)
Gene Name	TOP2A TOP2
Cellular localization	Cytoplasm . Nucleus, nucleoplasm . Nucleus . Nucleus, nucleolus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	174kD
Human Gene ID	7153
Human Swiss-Prot Number	P11388
Alternative Names	DNA topoisomerase 2-alpha (EC 5.99.1.3;DNA topoisomerase II, alpha isozyme)
Background	catalytic activity:ATP-dependent breakage, passage and rejoining of double-stranded DNA.,enzyme regulation:Specifically inhibited by the intercalating agent amsacrine.,function:Control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks.,miscellaneous:Eukaryotic





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topoisomerase I and II can relax both negative and positive supercoils, whereas prokaryotic enzymes relax only negative supercoils.,PTM:Phosphorylation has no effect on catalytic activity.,similarity:Belongs to the type II topoisomerase family.,subcellular location:Generally located in the nucleoplasm.,subunit:Homodimer. Interacts with COPS5.,



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